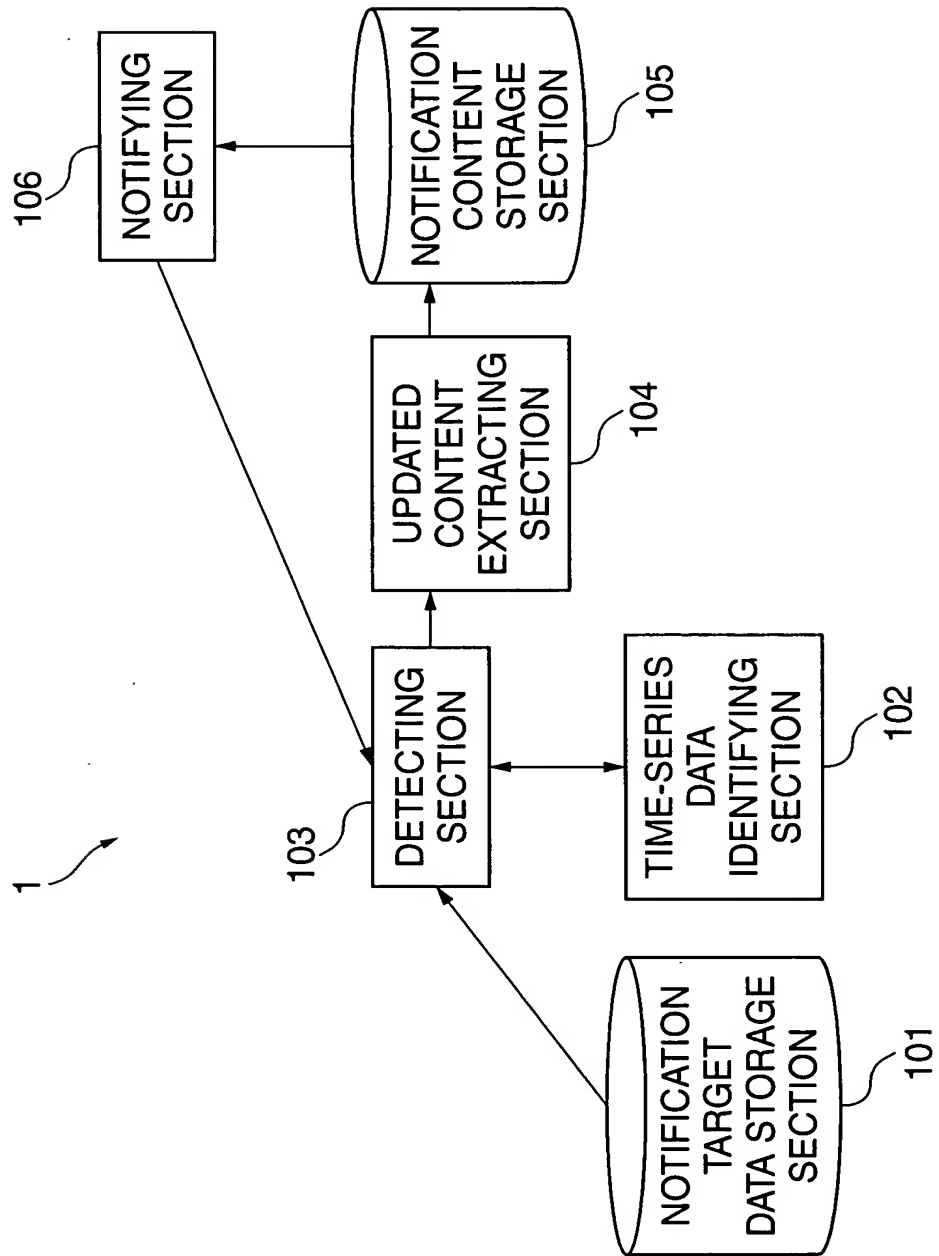


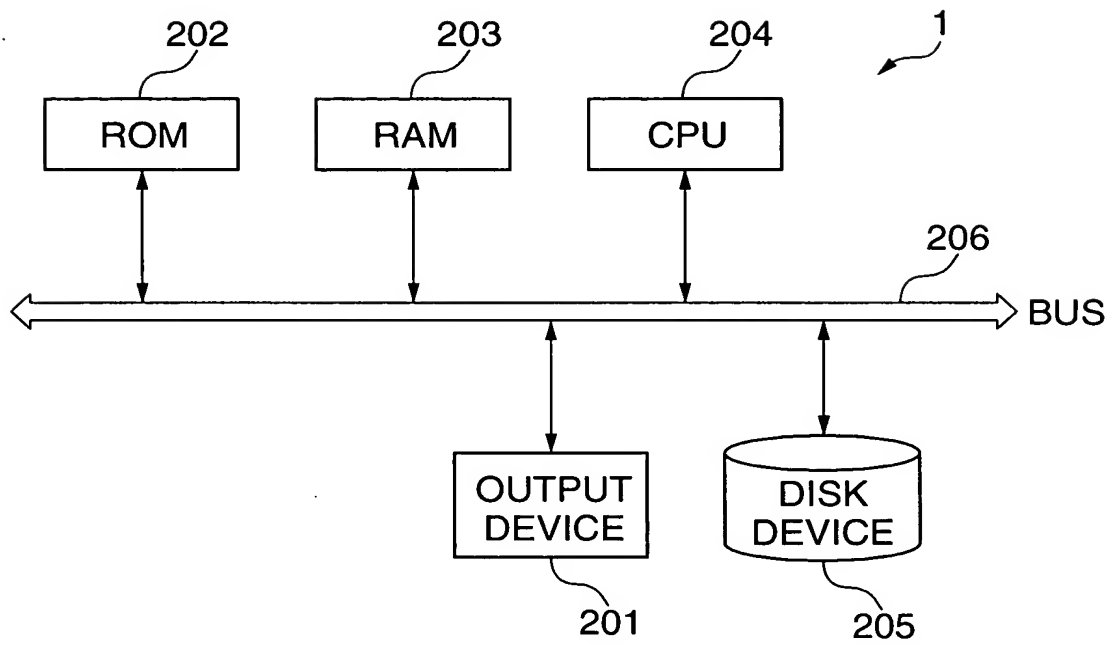
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FIG. 1



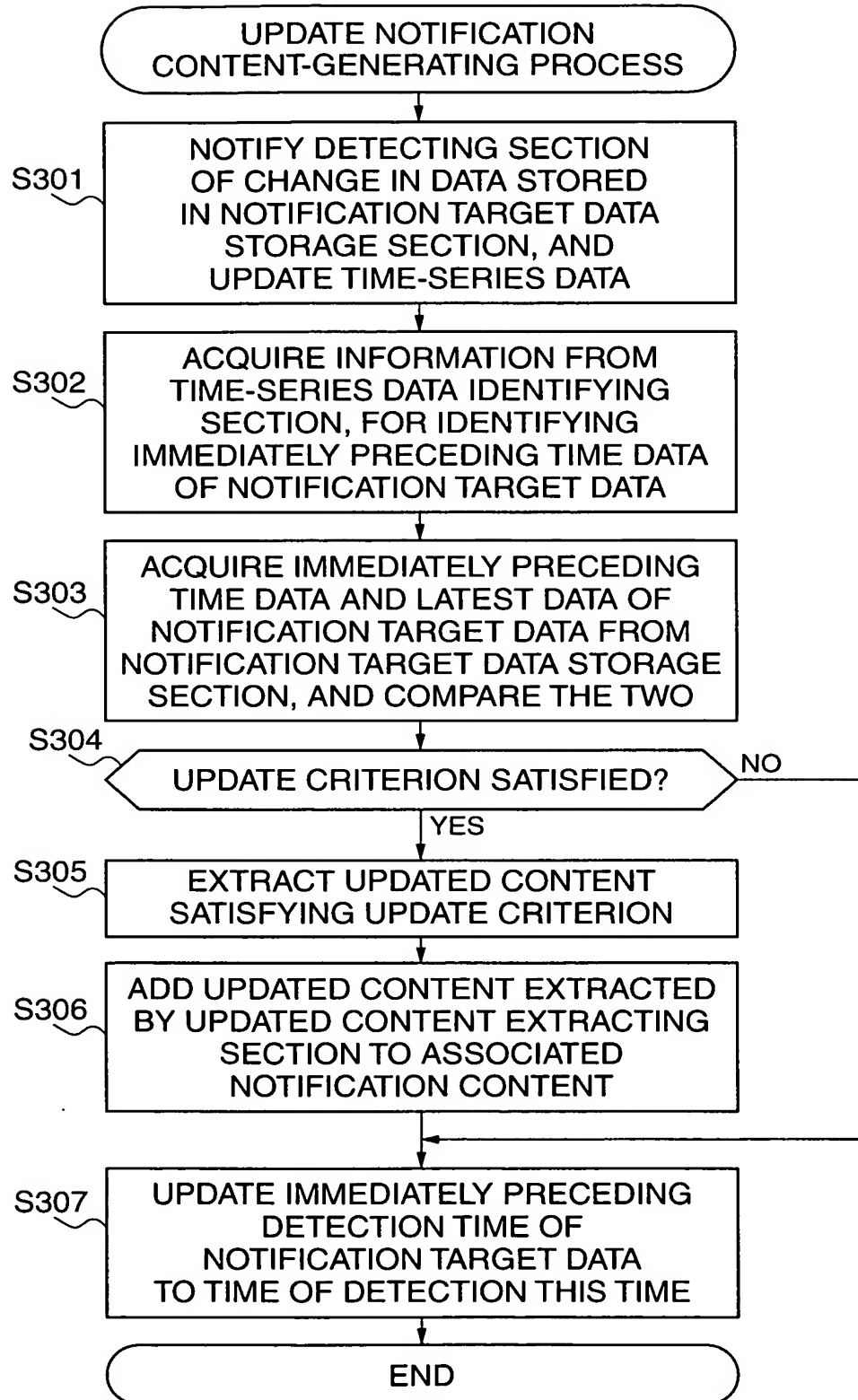
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FIG. 2



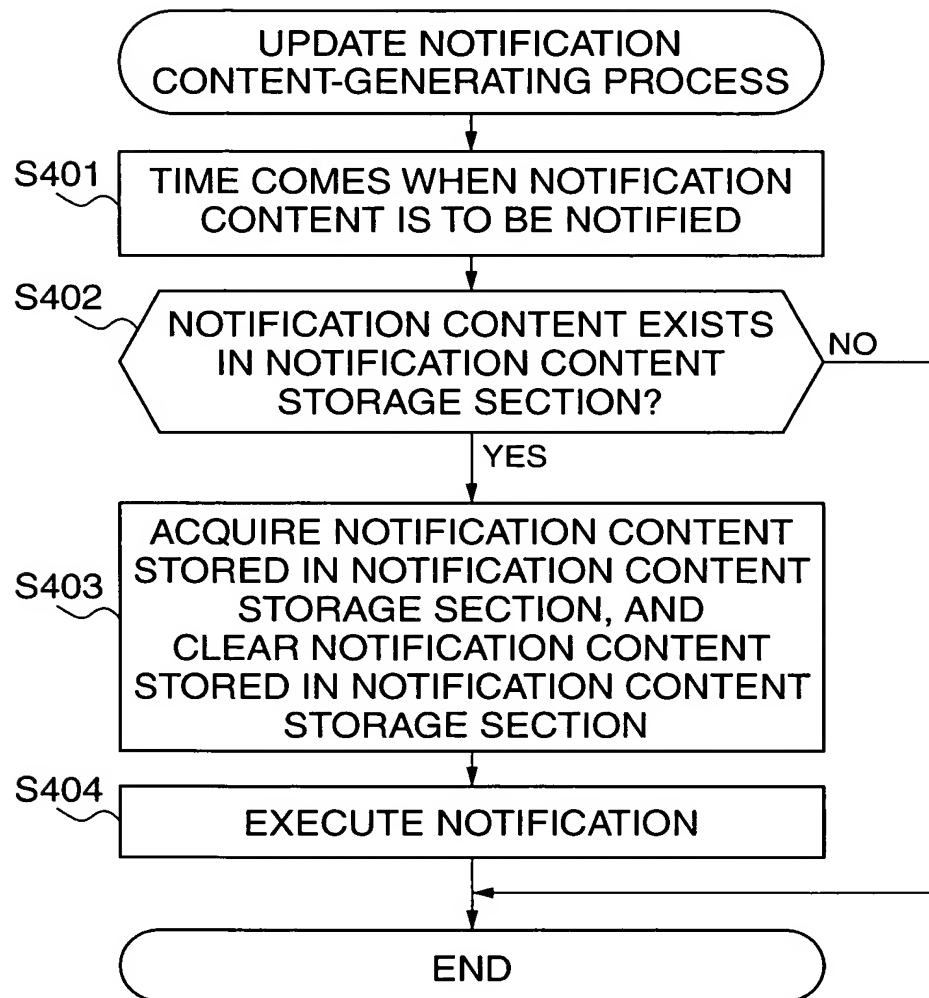
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FIG. 3



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FIG. 4



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FIG. 5

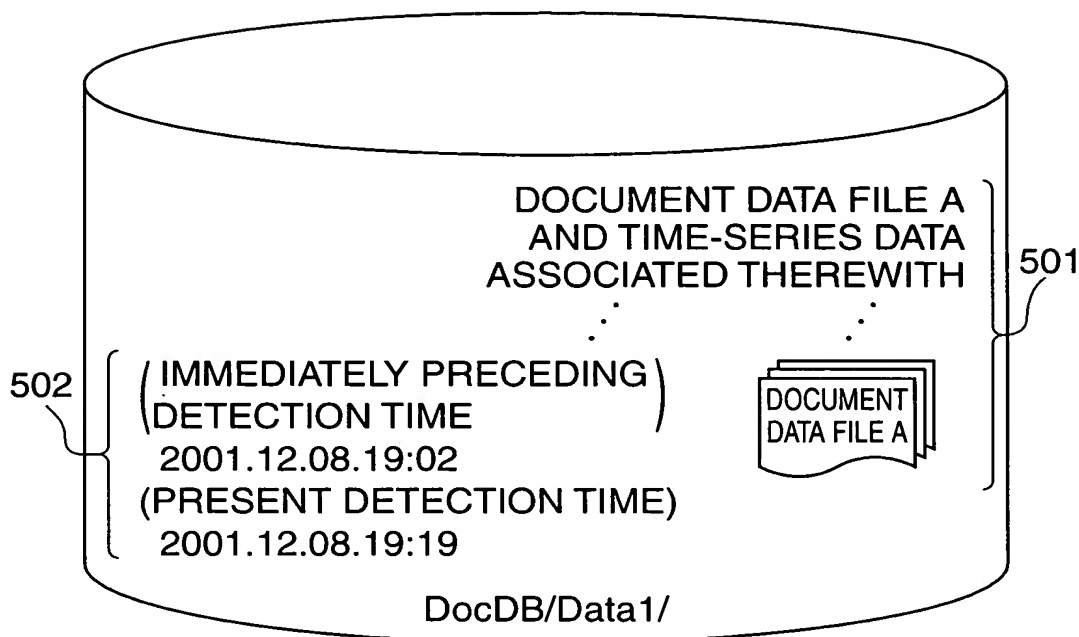


FIG. 6

NOTIFICATION TARGET DATA	IMMEDIATELY PRECEDING DETECTION TIME
DocDB/Data1/DOCUMENT DATA FILE A	2001 12 08 19:02
DocDB/Data1/DOCUMENT DATA FILE B	2001 12 07 20:00
⋮	⋮

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FIG. 7A

701A

```
<HTML>
<HEAD>
  <TITLE>
    TODAY'S GAME_FIRST TEAM
    vs. SECOND TEAM
  </TITLE>
</HEAD>
<BODY>
  <P>
    FIRST TEAM : SECOND TEAM
    (BEFORE GAME)
  </P>
</BODY>
</HTML>
```

DOCUMENT DATA A STORED
AT PRECEDING NOTIFYING TIME

FIG. 7B

701B

```
<HTML>
<HEAD>
  <TITLE>
    TODAY'S GAME_FIRST TEAM
    vs. SECOND TEAM
  </TITLE>
</HEAD>
<BODY>
  <P>
    FIRST TEAM : SECOND TEAM
    (FINAL) 10 : 2
  </P>
</BODY>
</HTML>
```

LATEST DOCUMENT DATA A

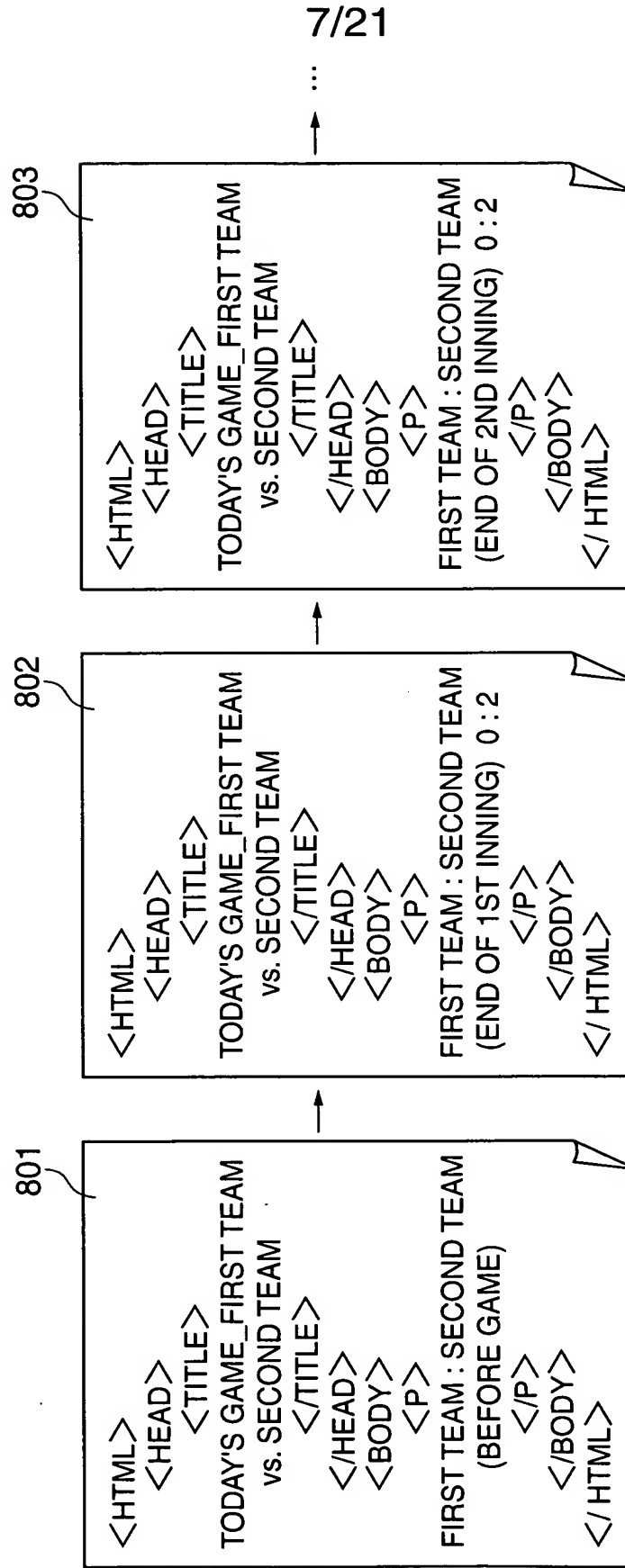
FIG. 7C

702 ~ CRITERION: WHETHER OR NOT TEXT PORTION EXCEPT HTML TAGS
HAS BEEN ADDED, UPDATED, OR DELETED?

FIG. 7D

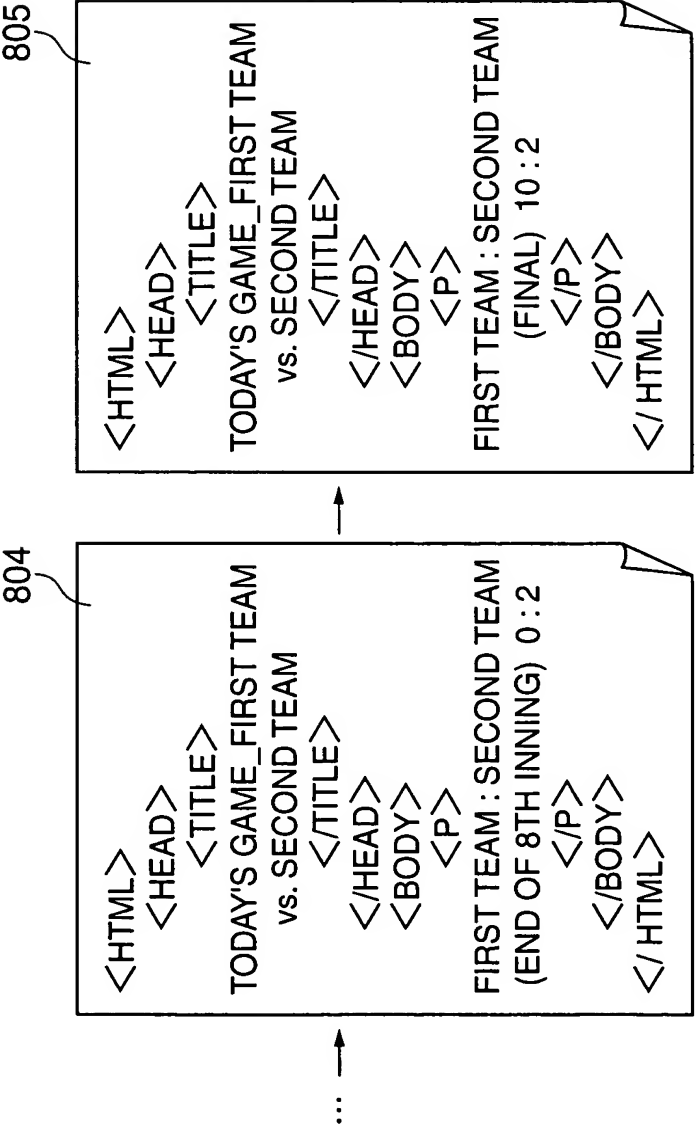
703 ~ 703 UPDATED CONTENT: FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

FIG. 8A



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FIG. 8B



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FIG. 9

FIRST TEAM : SECOND TEAM

→ FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2

FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2

→ FIRST TEAM : SECOND TEAM (END OF 2ND INNING) 0 : 2

⋮

FIRST TEAM : SECOND TEAM (END OF 8TH INNING) 0 : 2

→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

FIG. 10

FIRST TEAM : SECOND TEAM

→ FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2

FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2

→ FIRST TEAM : SECOND TEAM (END OF 2ND INNING) 0 : 2

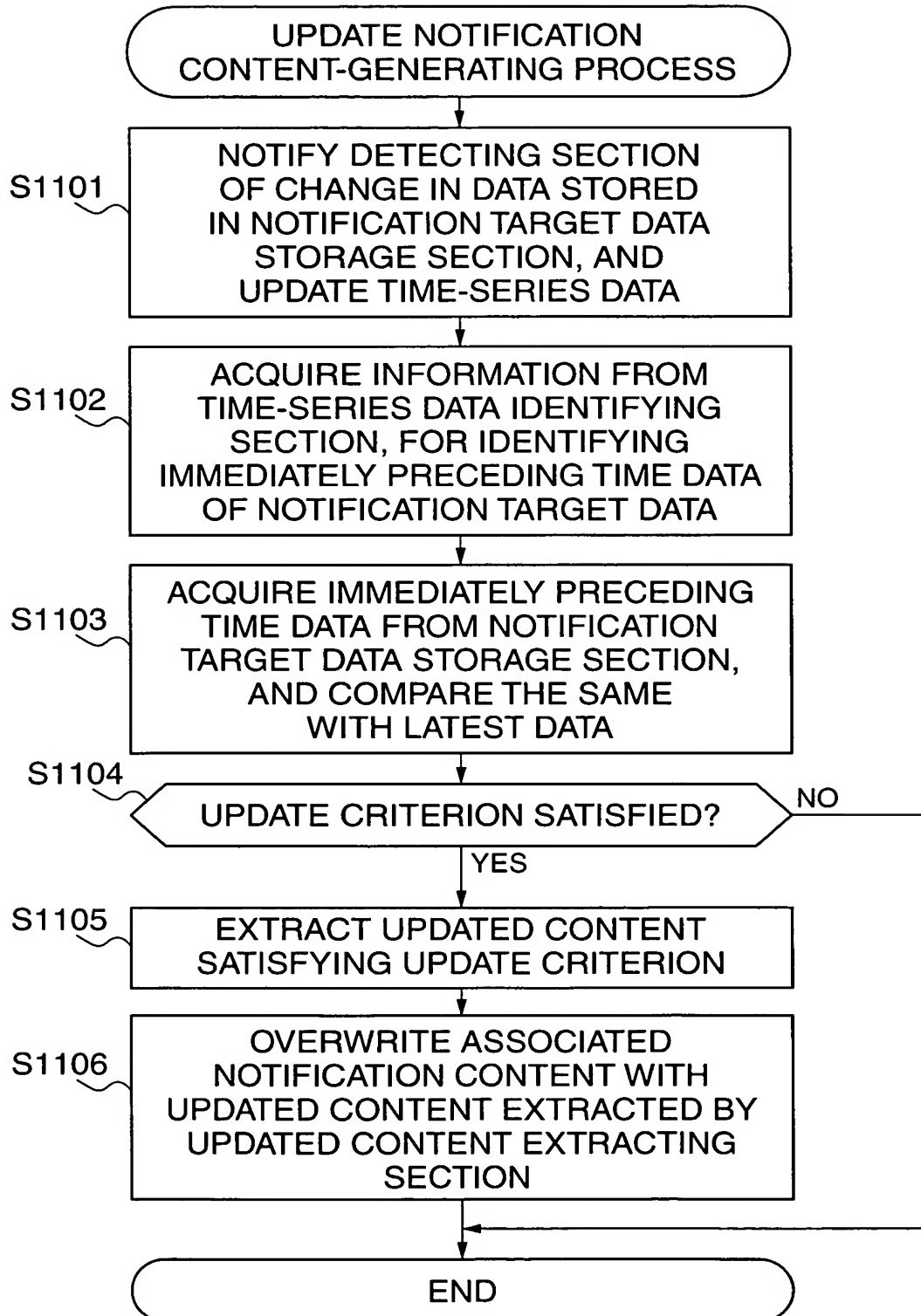
⋮

FIRST TEAM : SECOND TEAM (END OF 8TH INNING) 0 : 2

→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

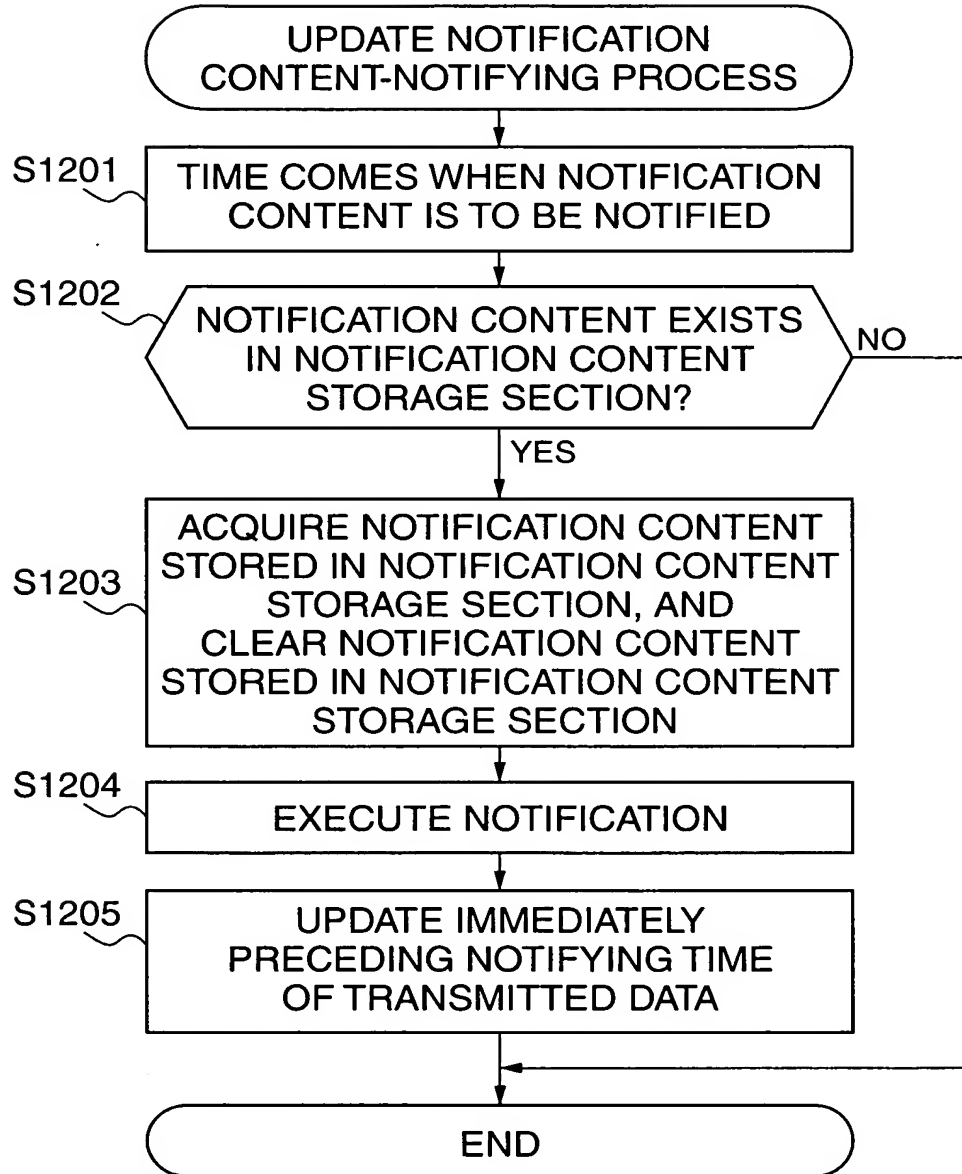
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FIG. 11



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FIG. 12





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FIG. 13

1301

NOTIFICATION TARGET DATA	IMMEDIATELY PRECEDING DETECTION TIME
DocDB/Data1/DOCUMENT DATA FILE A	2001 12 07 19:00
DocDB/Data1/DOCUMENT DATA FILE B	2001 12 07 20:00
⋮	⋮



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FIG. 14

FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2
FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (END OF 2ND INNING) 0 : 2
⋮
FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

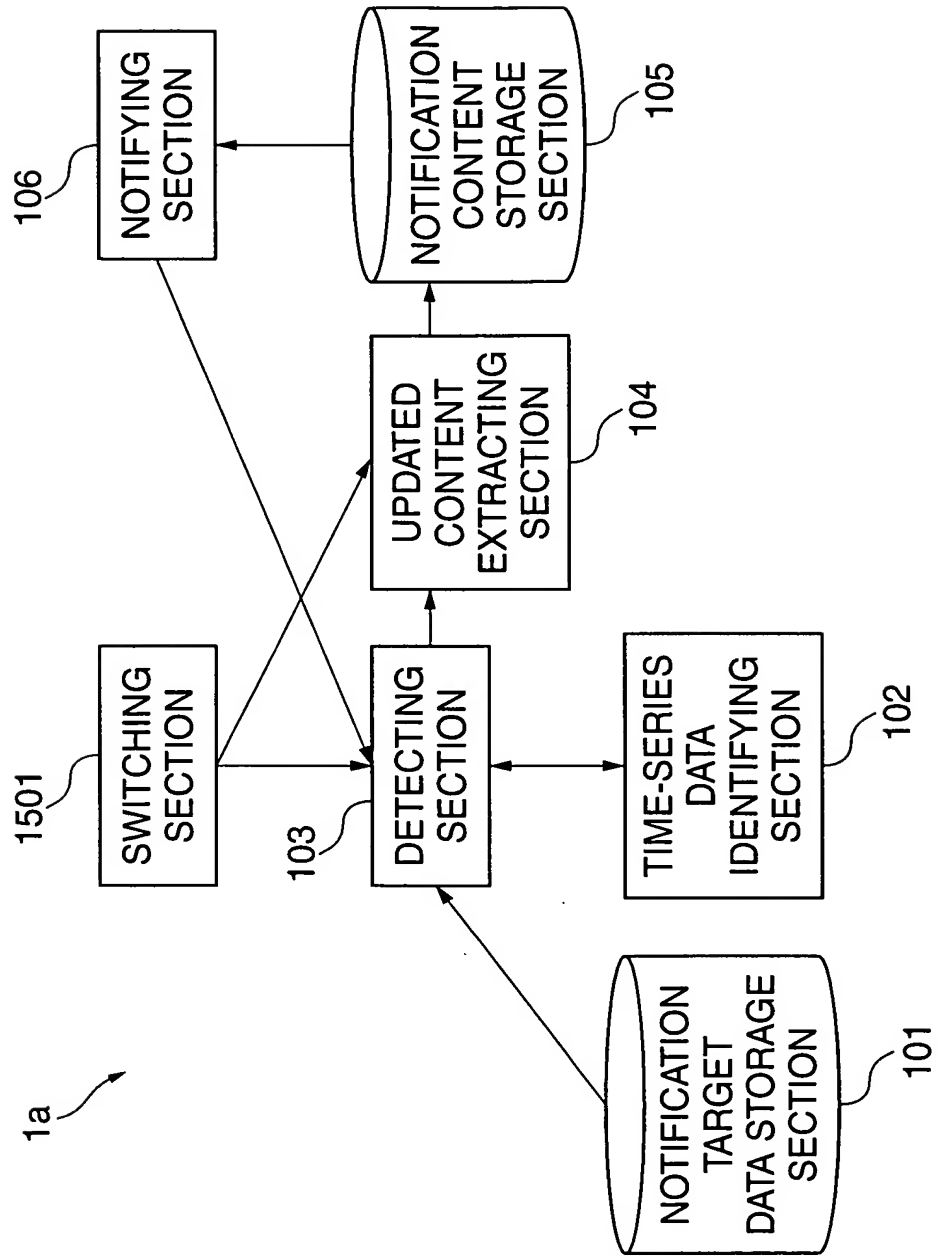
} 1401

FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

1402

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FIG. 15



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FIG. 16Aa

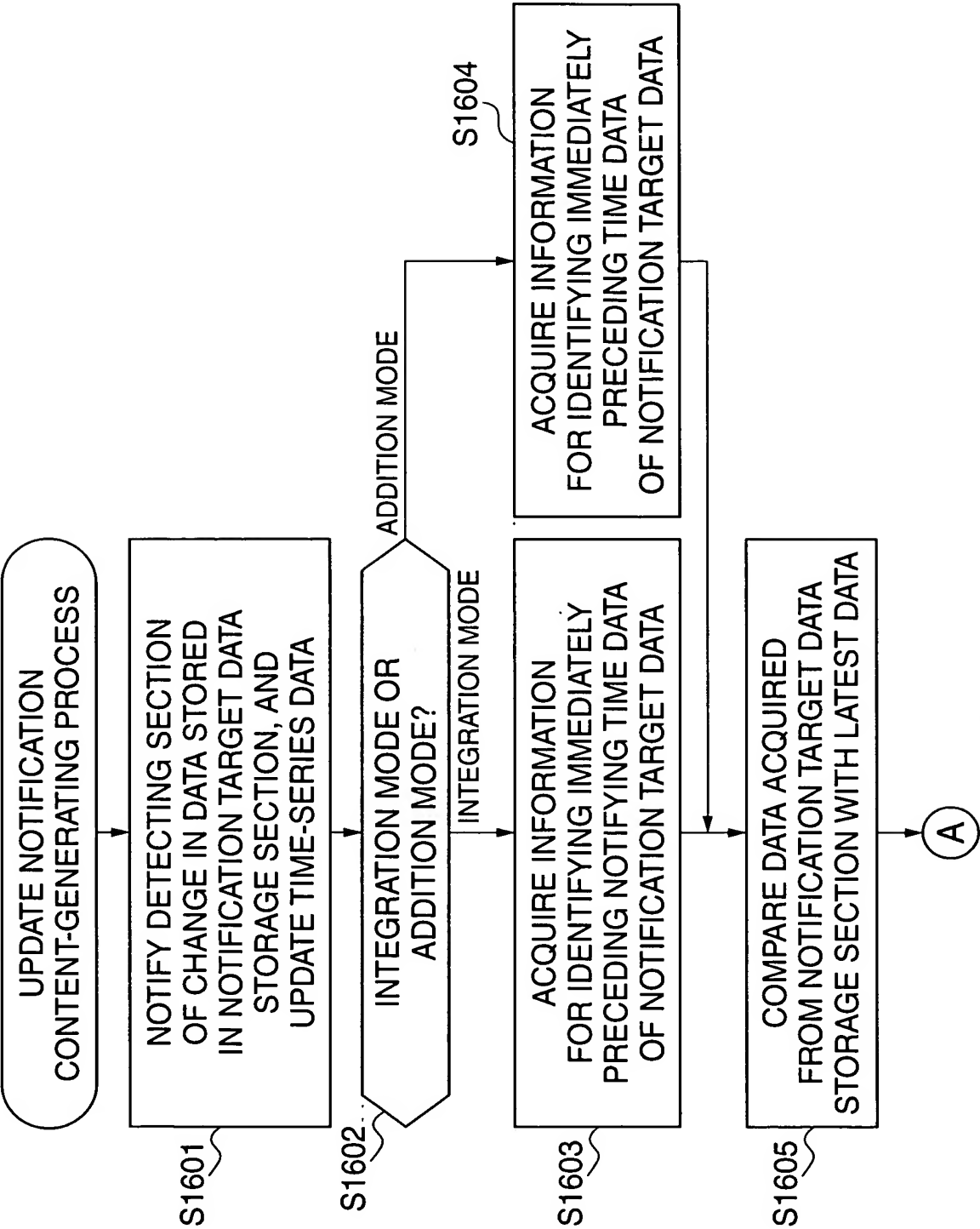
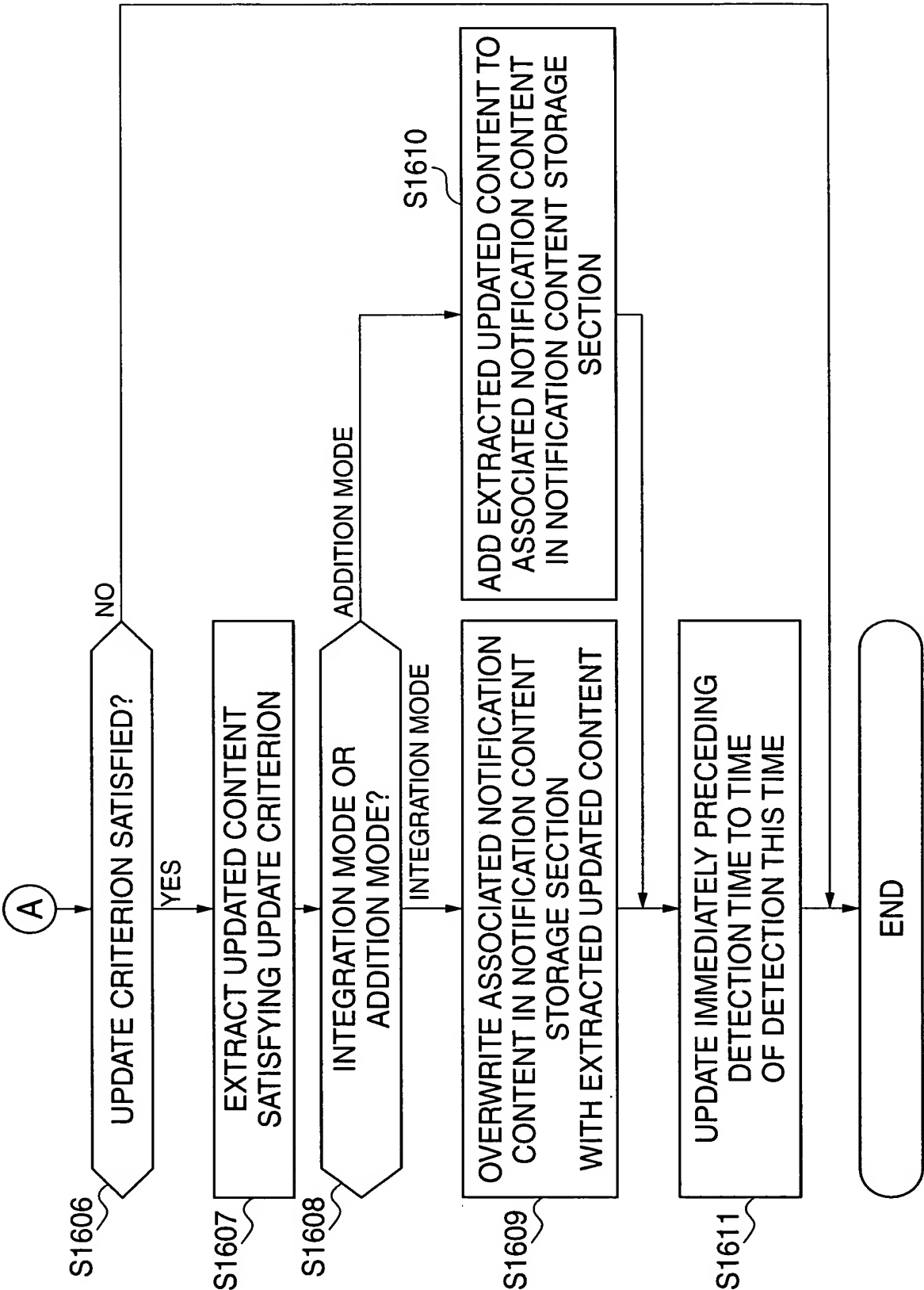
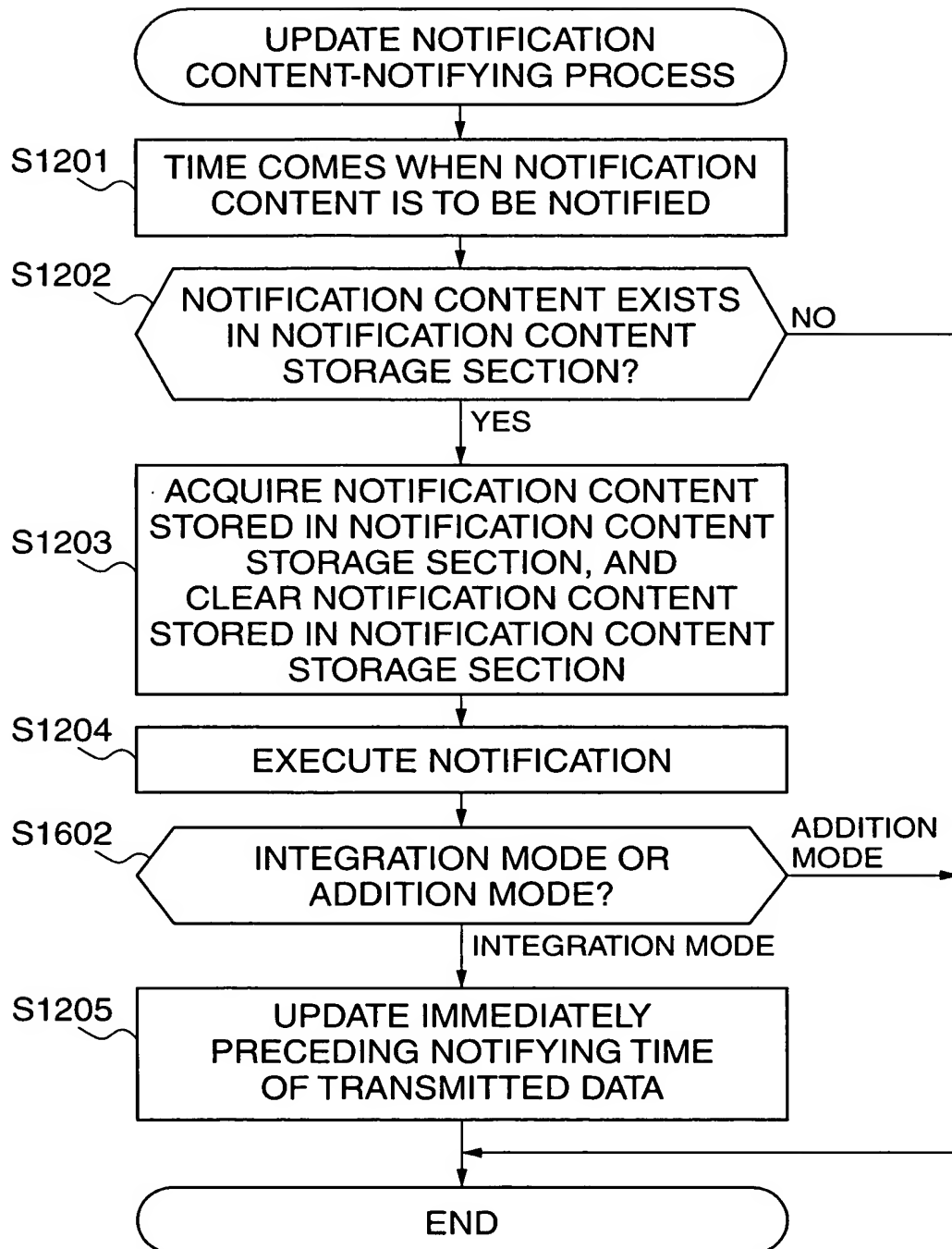


FIG. 16Ab



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FIG. 16B



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FIG. 17

FIRST TEAM : SECOND TEAM (BEFORE GAME)
→ FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2
FIRST TEAM : SECOND TEAM (END OF 1ST INNING) 0 : 2
→ FIRST TEAM : SECOND TEAM (END OF 2ND INNING) 0 : 2
:
:
FIRST TEAM : SECOND TEAM (END OF 8TH INNING) 0 : 2
→ FIRST TEAM : SECOND TEAM (FINAL) 10 : 2

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FIG. 18

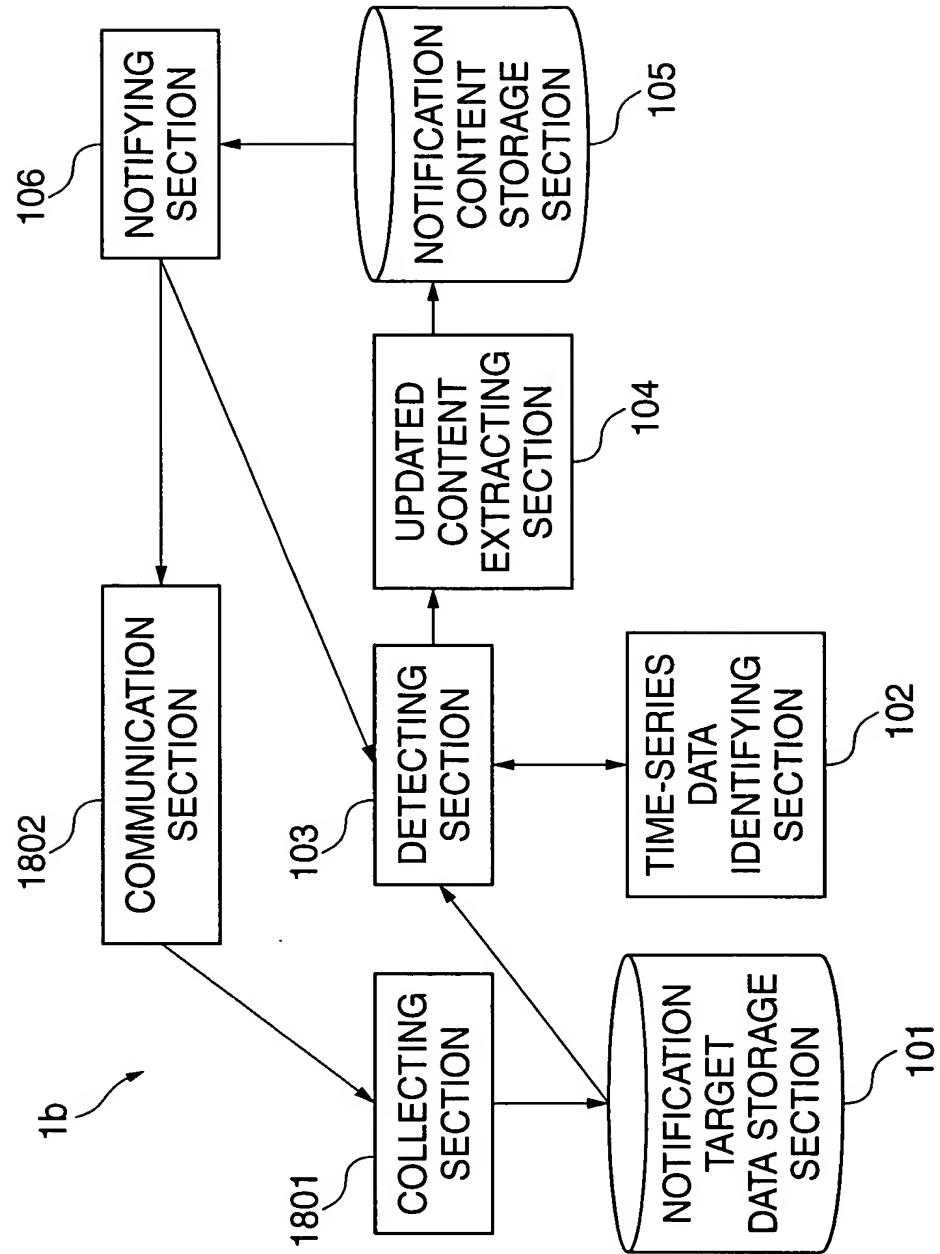
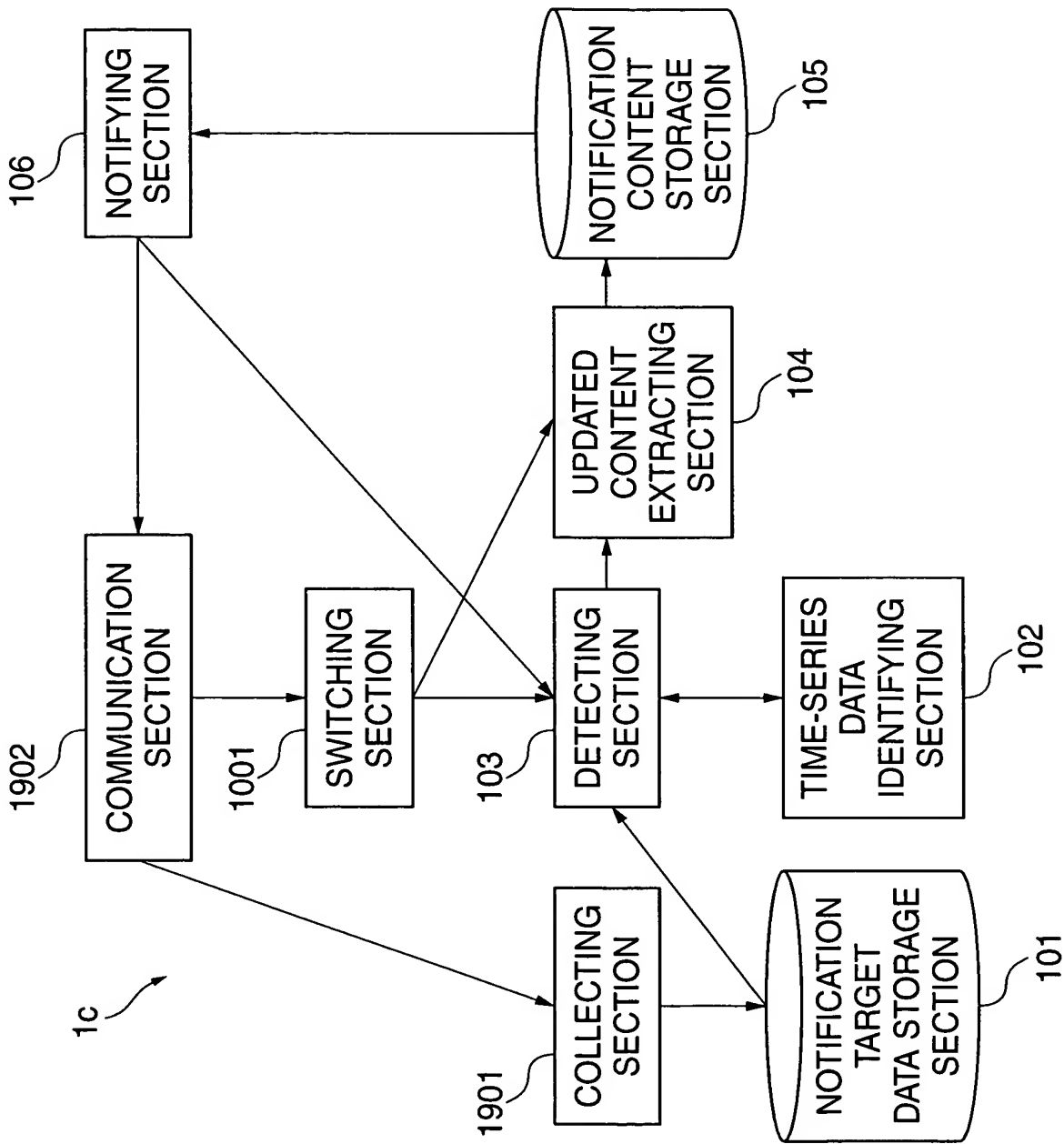


FIG. 19



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FIG. 20

